

Attorney Docket No. AGZP:114US
U.S. Patent Application No. 10/800,820
Reply to Office Action of April 2, 2008
Date: May 2, 2008

The Current Status of the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claim 1 (previously presented): An apparatus for making knitted garments from a knitted raw tubular portion characterised in that it comprises at least one tubular support capable of rotating about at least one axis wherein said knitted raw tubular portion is placed on said at least one tubular support to be subjected to at least one operation.

Claim 2 (currently amended): The apparatus, according to claim 1, wherein at least one of said at least one tubular support is peripherally equipped with a plurality of holes in communication with a suction system suitable for causing said knitted raw tubular portion to adhere on a surface of said at least one tubular support in order to assure its correct position during said at least one operation.

Claim 3 (previously presented): The apparatus, according to claim 1, wherein said tubular support is associated with at least one means for cutting said knitted raw tubular portion according to at least one predetermined cutting line, said means for cutting being capable of moving with respect to said tubular support along at least one direction.

Claim 4 (previously presented): The apparatus, according to claim 1, wherein said at least one axis about which said tubular support can rotate is an electronically controlled axis.

Claim 5 (previously presented): The apparatus, according to claim 4, wherein the control of said axis of rotation of said tubular support is carried out by means of motors associated with means for detecting the angular position of the shaft.

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Claim 6 (previously presented): The apparatus, according to claim 3, wherein said cutting means is a laser.

Claim 7 (withdrawn): An apparatus to manufacture knitted garments starting from a knitted raw tubular portion characterised in that it comprises a carousel rotatable about a driven axis, said carousel supporting a plurality of tubular supports arranged on the boundary of said carousel, wherein each of said tubular supports is carried stepwise by the carousel through corresponding workstations, each tubular support being selectively capable of rotating about at least one axis in said workstations.

Claim 8 (withdrawn): The apparatus, according to claim 7, wherein at least one of said workstations said tubular supports are operatively connected to actuating means, said actuating means causing said tubular support to rotate about at least one electronically controlled axis.

Claim 9 (withdrawn): The apparatus, according to claim 7, wherein said tubular supports have peripherally a plurality of holes and wherein at least one of said workstations is put in communication with a suction system in order to cause said knitted raw tubular portion to adhere on a surface of said tubular support.

Claim 10 (withdrawn): The apparatus, according to claim 7, wherein at least one of said workstations is a moisturizing station wherein at least one spray means is provided for moisturizing said knitted raw tubular portion.

Claim 11 (withdrawn): The apparatus, according to claim 7, wherein at least one of said workstations is a drying station wherein said knitted raw tubular portion put on said tubular support is dried by a warm air flow that flows across said tubular support.

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Claim 12 (withdrawn): The apparatus, according to claim 7, wherein at least one of said workstations is a cutting station operatively arranged to cut said knitted raw tubular portion on the tubular support.

Claim 13 (withdrawn): Apparatus, according to claim 12, wherein said knitted raw tubular portion is cut by a cutting means movable along at least one direction with respect to said at least one tubular support, said at least one tubular support being operatively connected to an actuating means, said actuating means rotating said at least one tubular support about at least one axis.

Claim 14 (previously presented): A method for making knitted garments starting from a knitted raw tubular portion comprising:
putting a knitted raw tubular portion on a tubular support said tubular support being selectively capable of rotating about at least one axis; and,
treating said knitted raw tubular portion on said tubular support, said treating step comprising at least one of the following operations: cutting, moisturizing, drawing on the support, quality checking.

Claim 15 (previously presented): The method, according to claim 14, wherein said tubular support is peripherally equipped with a plurality of holes in communication with a suction system suitable for causing said knitted garment to adhere on a support surface.

Claim 16 (previously presented): The method, according to claim 14, wherein said cutting step comprises rotating said tubular support about at least one electronically controlled axis and moving a cutting tool in an orthogonal direction in order to cut edges of said knitted garments.

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Claim 17 (previously presented): The method, according to claim 16, wherein said cutting tool is selected from the group consisting of a laser, an ultrasound cutter, or a mechanical cutter.

Claim 18 (new): The apparatus, according to claim 1, further comprising a carousel rotatable about a driven axis, wherein said carousel supports said at least one tubular support arranged on the boundary of said carousel, wherein said at least one tubular support is carried stepwise by said carousel through corresponding workstations.

Claim 19 (new): The apparatus, according to claim 18, wherein at least one of said corresponding workstations said at least one tubular support is operatively connected to actuating means, said actuating means causing said at least one tubular support to rotate about at least one electronically controlled axis.

Claim 20 (new): The apparatus, according to claim 18, wherein at least one of said at least one tubular support is peripherally equipped with a plurality of holes and wherein at least one of said corresponding workstations is put in communication with a suction system in order to cause said knitted raw tubular portion to adhere on a surface of said at least one tubular support.

Claim 21 (new): The apparatus, according to claim 18, wherein at least one of said corresponding workstations is a moisturizing station wherein at least one spray means is provided for moisturizing said knitted raw tubular support.

Claim 22 (new): The apparatus, according to claim 18, wherein at least one of said corresponding workstations is a drying station wherein said knitted raw tubular portion put on said at least one tubular support is dried by a warm air flow that flows across said at least one tubular support.

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Claim 23 (new): The apparatus, according to claim 18, wherein at least one of said corresponding workstations is a cutting station operatively arranged to cut said knitted raw tubular portion on said at least one tubular support.

Claim 24 (new): The apparatus, according to claim 23, wherein said knitted raw tubular portion is cut by a cutting means movable along at least one direction with respect to said at least one tubular support, said at least one tubular support being operatively connected to an actuating means, said actuating means rotating said at least one tubular support about at least one axis.